

Room C (Grand Ballroom 3), 2F

Chair: Han Hyub Lee (ETRI)

Tu3C

June 30 (Tue), 2026

Next-Generation Access Networks

13:15-14:45

Tu3C-1

13:15-13:30

350 Gb/s Hybrid TDM/TFDM Coherent Access Supporting Concurrent PON and Fiber/FSO Links

Haipeng Zhang, Zhensheng Jia
Cable Television Laboratories Inc.

Tu3C-2

13:30-13:45

Demonstration of 480-Gb/s 32-QAM PTBC Signal Transmission for Next-Generation Optical Access Networks

Jongwan Kim, Sang-Rok Moon, Sun Hyok Chang, Hun-Sik Kang, Joon Ki Lee
Electronics and Telecommunications Research Institute

Tu3C-3

Invited

13:45-14:15

FTTR+X: Integrated Intelligence and Sensing

Gangxiang Shen¹, Jinhan Cai¹, Xiang Wang², Tianhai Chang²
¹Soochow University, ²Huawei Technologies Co., Ltd.

Tu3C-4

14:15-14:30

Upstream NOMA-DSCM for Coherent PONs via All-Optical Channel Aggregation

Chen Ding¹, Zijian Li¹, Qiarong Xiao¹, Yutian Liu¹, Zixian Wei², Ka Suen Lee¹, Chaoran Huang¹, Changyuan Yu², Chester Shu¹

¹The Chinese University of Hong Kong, ²The Hong Kong Polytechnic University

Tu3C-5

14:30-14:45

On the Performance of Joint Optical- Electrical Polarization Tracking for PM-IM/DD Systems

Juntao Cao¹, Chen Cheng^{1,2}, Haiqiang Wei¹, Qi Wu¹, Xingyu Zhu¹, Wenyu Wang¹, Ming Tang², Chao Lu¹, Alan Pak Tao Lau¹, Kangping Zhong¹

¹The Hong Kong Polytechnic University, ²Huazhong University of Science and Technology